

**United States Army  
Soldier and Biological  
Chemical Command  
Natick, Massachusetts**

# ***Department of Defense Standard Family of Tactical Shelters (Rigid/Soft/Hybrid)***



**Joint Committee on Tactical  
Shelters (JOCOTAS) Brochure**



In accordance with Department of Defense (DoD) policy as stated in AR 70-59, OPNAVINST 3900.27, AFJI 61-106, and MCO 3920.5A, the services through the Joint Committee on Tactical Shelters (JOCOTAS) has approved a Standard Family of Tactical Shelters.

The shelters contained in this brochure are the only shelters authorized for military use.

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This brochure contains information on the Department of Defense (DoD) Standard Family of Tactical Shelters. The standard rigid wall, soft wall, and hybrid shelters shown in this brochure have been approved by the Joint Committee on Tactical Shelters (JOCOTAS) for Department of Defense (DoD) use.

JOCOTAS was formed in 1975 under Office of the Secretary of Defense (OSD) direction with the purpose to:

- Prevent the duplication of Tactical Shelter Research and Development.
- Eliminate the proliferation of non-standard tactical shelters in the DoD inventory.
- Maximize the usage of DoD Standard Family of Tactical Shelters.

Prior to the formation of JOCOTAS, 100+ rigid wall tactical shelter types existed among the Four Services which created a huge logistics burden for shelters. JOCOTAS has succeeded in reducing the standard family of rigid wall tactical shelters to 17 shelter types among the Four Services. Soft wall and hybrid shelters were added to JOCOTAS in 1995. JOCOTAS consists of two technical working groups (TWGs), Rigid Wall/Hybrid TWG and Soft Wall TWG, that meet three times per year and principal/voting Service members that meet annually. Office of the Under Secretary of Defense (Acquisition & Technology), OUSD (A&T), has approval authority for JOCOTAS.

Shelters developed by the Army, Air Force, Navy and Marine Corps are usable by more than one Service and make up the JOCOTAS approved DoD Standard Family of Tactical Shelters. The standard shelters contained in this brochure can be used by all Services. New requirements and technology advancements will likely result in additional shelters being added by JOCOTAS to the existing Standard Family of Tactical Shelters Listing.

**Tactical Shelter** - A highly mobile, transportable structure designed for a functional requirement that provides a live-in and/or work-in capability. These structures can be:

- a) **Rigid Wall shelters** which are presized structures (non-expandable and expandable shelters) that are transportable by land, sea, or air. These shelters require minimal site preparation and no specialized set-up.
- b) **Soft wall shelters** which include air supported and prefabricated structures, that are transported and then erected or assembled on site.
- c) **Hybrid shelters** which are a combination of rigid and soft wall shelters that are transported and erected or assembled on site.

Structures not considered tactical shelters and outside the scope of the DoD Standard Family of Tactical Shelters are:

- a) Containers used exclusively for cargo transportation (e.g., milvans, conex containers).
- b) Refrigerated structures.
- c) Modular or prefabricated structures designed to be shipped to the operating location and assembled with external unit support.
- d) Vans.

**Joint Committee on Tactical Shelters (JOCOTAS)** - A committee consisting of representatives from Army, Air Force, Navy, and Marine Corps that:

- Eliminates duplication of research and development by annual submission and DoD approval of a 5-year DoD Tactical Shelter Research and Development program.
- Encourages maximum use of the DOD standard family of shelters.
- Provides a forum for technical interchange via Joint Working Group Meetings.

**Tactical Shelter Family Means:**

- Maximum Standardization for DoD shelters and continue to meet the needs of the Services.
- Rapid Worldwide Deployment of a tactical force featuring ISO (International Organization for Standardization) handling, structural and dimensional standards, where applicable, for container vessel shipment.
- Lower Long Term Deployment Costs by recovering deployed structures for future uses, eliminating wasted dollars on permanent construction which is later abandoned.
- Rugged Qualified Shelters that stand up to rough use in the field and climates all over the world.

# ***DoD Standard Family of Rigid Wall Tactical Shelters Listing***

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This list has been approved by the Joint Committee on Tactical Shelters (JOCOTAS). Based on the recommendations of the JOCOTAS group, this list may have future additions or deletions.

## ***Shelter Name***

## ***National Stock Number (NSN)***

### ***Air Force***

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Expandable, S-530 A/G (60 HZ) ..... 5411-01-280-2909EJ

### ***Army***

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ISO, Shelter, Tactical, Nonexpandable, S-781/G (60 Amp) ..... 5411-01-136-9837  
ISO, Shelter, Tactical, Nonexpandable, S-782/G (100 Amp) ..... 5411-01-294-6390  
Shelter, Electrical Equipment, S-250/G, Unshielded ..... 5411-00-999-4935  
Shelter, Electrical Equipment, S-250/G, EMI Shielded ..... 5411-00-489-6076  
Shelter, Electrical Equipment, S-280(C)/G, Unshielded ..... 5411-01-092-0892  
Shelter, Electrical Equipment, S-280(C)/G, EMI Shielded ..... 5411-01-304-3069  
Shelter, Non-Expandable, Rigid Wall, Integrated, S-832/G ..... 5411-01-436-3326  
Shelter, Electrical Equipment, Lightweight, S-788/G Type I ..... 5411-01-357-3582  
Shelter, Electrical Equipment, Lightweight, S-788/G Type III ..... 5411-01-357-3583  
ISO, Shelter, Tactical, Expandable, One Side, S-783/G (60 Amp) ..... 5411-01-124-1377  
ISO, Shelter, Tactical, Expandable, One Side, S-784/G (100 Amp) ..... 5411-01-295-3433  
ISO, Shelter, Tactical, Expandable, Two Side, S-785/G (60 Amp) ..... 5411-01-136-9838  
ISO, Shelter, Tactical, Expandable, Two Side, S-786/G (100 Amp) ..... 5411-01-294-9866  
Modular Extendable Rigid Wall Shelter (MERWS) ..... 5411-01-312-9084

### ***Marine Corps***

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ISO, 10 Foot, General Purpose ..... 5411-01-287-4341  
ISO, 10 Foot, EMI Shielded ..... 5411-01-206-6079  
ISO, 20 Foot, General Purpose ..... 5411-01-209-3451  
ISO, 20 Foot, EMI Shielded ..... 5411-01-206-6078  
ISO, Knockdown ..... 5411-01-206-6077

### ***Navy***

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ISO, Basic Mobile Facility A ..... 5411-01-355-4322  
ISO, Basic Mobile Facility B ..... 5411-01-355-4323  
ISO, Side Opening Mobile Facility A ..... 5411-01-355-4320  
ISO, Side Opening Mobile Facility B ..... 5411-01-355-4321  
ISO, Side Opening Mobile Facility B (Modified 80" Door) ..... 5411-01-355-4319  
ISO, Side Opening Mobile Facility C ..... 5411-01-355-6566  
ISO, Integration Unit Mobile Facility ..... 5411-01-355-4318



# ***DoD Standard Family of Soft Wall and Hybrid Shelters Listing***

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This list has been approved by the Joint Committee on Tactical Shelters (JOCOTAS). Based on the recommendations of the JOCOTAS group, this list may have future additions or deletions.

<b><i>Shelter Name</i></b>	<b><i>National Stock Number (NSN)</i></b>
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**Air Force**

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Dome Shelter (Bare Base) .....	5410-01-363-0090
General Purpose Shelter (Bare Base) .....	5410-00-365-5017
Small Shelter System .....	To Be Determined

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**Army**

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Tent, General Purpose, Small .....	8340-00-753-6571
Tent, General Purpose, Medium .....	8340-00-482-3963
Tent, General Purpose, Large .....	8340-00-470-2342
Tent, Frame-Type Expandable, 16 Ft × 16 Ft .....	8340-00-782-3232
Tent, Extendable, Modular, Personnel (TEMPER) .....	16 Types, 32 NSNs
Modular Command Post System (Camo Green 483) .....	8340-01-323-2454
Modular Command Post System (Desert Tan 459) .....	8340-01-334-7529
Soldier Crew Tent, Type I .....	8340-00-259-0084
Soldier Crew Tent, Type II .....	8340-00-259-1481
Lightweight Extreme Weather Shelter (LEWS), 3-Man .....	8340-01-429-5932
Tent, Shelter Half .....	8340-00-753-6435
Tent, Hexagonal, Lightweight, M-1950 .....	8340-00-269-1372
Tent, Arctic, 10-man .....	8340-00-262-3685
Tent, Frame-Type, Insulated Sectional, 16 Ft × 16 Ft .....	8340-00-262-2399
Tent, Frame-Type, Maintenance, Medium, Light Metal .....	8340-00-951-6419
Large Area Maintenance Shelter	
75'W × 31'H × 190'L .....	5410-01-334-3158
65'W × 31'H × 122'L .....	5410-01-333-9299
Chemically & Biologically Protected Shelter (CBPS) .....	5410-01-441-8054
Modular General Purpose Tent System (MGPTS)	
Small .....	8340-01-456-3633
Medium .....	8340-01-456-3628
Large .....	8340-01-456-3674
Lightweight Maintenance Enclosure (LME) .....	5410-01-456-3637
Ammunition & General Purpose Solar Covers .....	To Be Determined

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**Marine Corps**

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Combat Tent, 2-Man .....	8340-01-452-5191
Extreme Cold Weather Shelter (ECWS), 4-Man .....	8340-01-406-9299
Tent, Command Post, M-1945 .....	8340-00-269-1370

# ***Shelter POCs for the Four Services***

<b><i>Service</i></b>	<b><i>Phone/Fax</i></b>	<b><i>E-Mail</i></b>	<b><i>Mailing Address</i></b>
<b>Air Force Tactical Shelters</b>	(916) 643-1520 x343 DSN 633-1520 x343	brissey.dwight@email.mcclellan.af.mil	Shelter Product Group Manager SM-ALC/LHH ATTN: MAJ Chris Brissey or John Deuster 5309 Dudley Blvd (B250D) McClellan AFB, CA 95652-1027
	(916) 643-1520 x440 DSN 633-1520 x440 FAX xxx-4886	deuster.john@email.mcclellan.af.mil	
	(781) 271-8330 DSN 478-1186 x8330 Fax (781) 271-8423 Fax DSN 478-1186 x8423	donahueJJ@hanscom.af.mil	Shelter Technology Office ESC/ACFS ATTN: James Donahue 50 Griffiss Street Hanscom AFB, MA 01731-1625
<b>Air Force (Bare Base Sustainment &amp; S-530)</b>	(912) 926-6762 DSN 468-6762 FAX (912) 926-7176 FAX DSN 468-7176	grant.hayes@robins.af.mil	WR-ALC/LKJB ATTN: Lt Col Grant Hayes 460 2nd Street, Suite 220 Robins AFB, GA 31098-1640
<b>Bare Base Development</b>	(850)-882-4686 x331 DSN 872-4686 x331 FAX (850) 882-9381 FAX DSN 872-9381	sandersn@eglin.af.mil	PM-Family of Portable Shelters ATTN: AAC/WMO (Joan Sanders) Choctawhatchee Ave. Suite 104 Eglin AFB, FL 32542-5717
<b>Army</b>	(508) 233-5637 DSN 256-5637 FAX (508) 233-5554 FAX DSN 256-5554	ejolley@natick-amed02.army.mil	Product Manager – Soldier Support ATTN: AMSSC-PM-RSS-S(N) (CPT Ed Jolley) Natick, MA 01760-5057
<b>Rigid Wall</b>	(508) 233-5243 DSN 256-5243 FAX (508) 233-4433 FAX DSN 256-4433	dmikelson@natick-emh2.army.mil	Shelter Customer Team ATTN: AMSSB-RCP-C(N) (Dave Mikelson) Natick, MA 01760-5018
<b>Soft Wall</b>	(508) 233-5257 DSN 256-5257 FAX (508) 233-5112 FAX DSN 256-5112	fkostka@natick-emh2.army.mil	21st Century Fabric Structures Group AATN: AMSSB-RCP-F(N) (Frank Kostka) Natick, MA 01760-5018
<b>Marine Corps</b>	(703) 784-5897 X35 DSN 278-5897 X35 FAX (703) 784-4287 FAX DSN 278-4287	iddingswr@quantico.usmc.mil	Marine Corps Systems Command ATTN: Bill Iddings 2033 Barnett Ave., Suite 315 Quantico, VA 22134-5010
<b>Navy</b>	(301) 757-9149 DSN 757-9149 FAX (301) 342-4260	mooreag@navair.navy.mil	NAVAIRSYSCOM (AIR 3.1B.4) ATTN: Capt. A.G. Moore Bldg 416, Room 103 47013 Hinkle Circle, Unit 8 Patuxent River, MD 20670-1028

# ***Shelter Transportability***

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Transportability and deployment are two main advantages of using DoD Standard Family Shelters. DoD Standard Family Shelters can be transported by land, air, or sea and deployed quickly.

Standard shelters are transportable using military/commercial trucks, railcars, container ships, dolly sets/mobilizers, helicopters, and military cargo aircraft.

Standard shelters are rapidly and easily erectable on site with no specialized equipment/tools and minimal, if any, site preparation.



**High Mobility Multipurpose Wheeled Vehicle (HMMWV)**



**Container Ship**



**Fixed Wing Aircraft**



**Railcar**

# ***Shelter Transportability***



**M1022A1 ISO Shelter Dolly Set**



**Palletized Load System (PLS) Truck**



**5-Ton Truck**



**Cargo Aircraft**



**Helicopter**

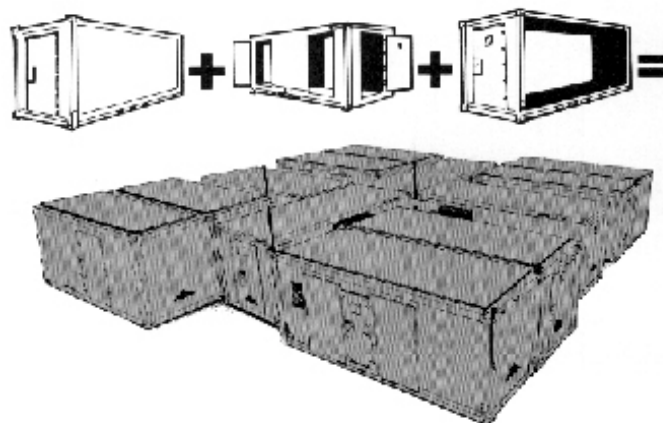


**Truck - Flatbed Trailer**



# Shelter Complexing

A wide variety of complexing arrangements can be made using standard shelters. Joining corridors/passageways/bootwalls are available to connect basic shelter units to other basic shelter units and tents.



Navy Mobile Facility Complexing



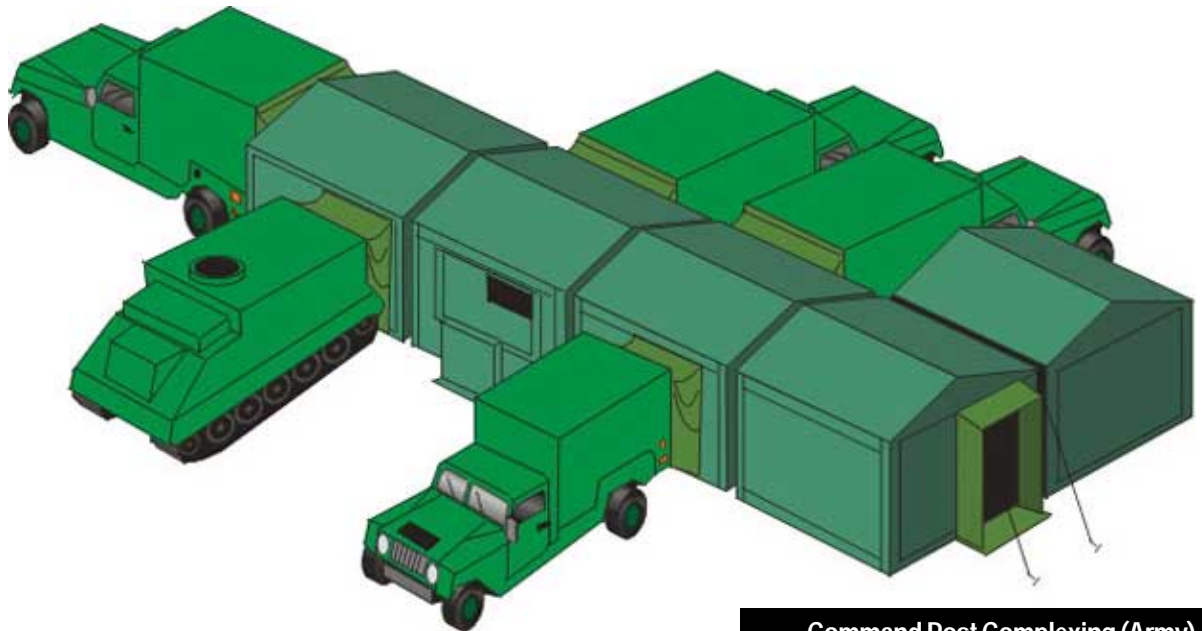
ISO to ISO Passageway (Army)



ISO to TEMPER Passageway (Army)



Deployable Medical Systems Field Hospital



**Command Post Complexing (Army)**



**BOOTWALL**

**Bootwall Connecting Standardized Integrated Command Post System (SICPS)  
Rigid Wall Shelter to Modular Command Post System (MCPS) Tent (Army)**



# ***Shelter System Configurations***

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Some of the system configurations that are possible using standard shelters include command posts, field hospitals, dental facilities, supply depots, maintenance support facilities, food services field feeding systems, administrative/billeting quarters, and logistic support. Shelters can also double as shipping containers for equipment and/or systems used within. Below are some typical system configurations using standard shelters:



**Field Kitchen**



**Maintenance Shop Set**



**Modular Print System**



**Battalion Aid Station**



**Corps Command Post**



**Hospital Operating Room**

## ARMY

### S-250/G, Shelter, Electrical Equipment

- **Description:** Mobile tactical shelter designed for housing communications and electronics equipment. Unshielded NSN 5411-00-999-4953, EMI Shielded NSN 5411-01-489-6076.
- **Dimensions:** Exterior 7'-3"L × 6'-7"W × 5'-10"H, Interior 6'-8"L × 6'-3"W × 5'-4"H
- **Weight:** 770 lbs.
- **Payload:** 2530 lbs.
- **Construction:** Foam & Beam
- **Prime Mover:** HMMWV, M1028 CUCV
- **EMI Modification Kit:** NSN 9999-00-880-2188
- **EMI Protection:** 60 dB
- **HMMWV Mounting Kit:** NSN 2590-01-350-4482
- Includes Cable Lift & Tie Down Assembly
- **LIN:** S01427



S-250/G (Army)

### S-280C/G, Shelter, Electrical Equipment

- **Description:** Mobile tactical shelter designed for housing communications & electronics equipment. Unshielded NSN 5411-01-092-0892, EMI Shielded NSN 5411-01-304-3069.
- **Dimensions:** Interior 11'-6"L × 6'-10"W × 6'-5"H, Exterior (Envelope) 12'-3"L × 7'-3"W × 7'-3"H, Exterior (Skin to Skin) 11'-10"L × 6'-10"W × 6'-10"H
- **Weight:** 1400 lbs.
- **Payload:** 7100 lbs.
- **Construction:** Foam & Beam
- **Prime Mover:** 5 Ton Truck
- **EMI Modification Kit:** NSN 5410-00-937-5248
- **EMI Protection:** 60 dB
- Includes Cable Lift & Tie Down Assembly
- **LIN:** S01495



S-280(C)/G (Army)



S-280(C)/G Mounted  
on 5-Ton Truck



# Non-Expandable Rigid Wall Shelters

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## ARMY

### S-788/G, Shelter, Electrical Equipment, Lightweight

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S-788/G Mounted on HMMWV (Army)

- **Description:** Replacement for S-250/G shelter designed for housing C4I battlefield systems.
- **Dimensions:** Interior 8'-3.5"L × 6'-9.5"W × 5'-4.5"H, Exterior 8'-6"L × 7"W × 5'-7"H
- **S-788/G Versions:**
  - Type I - Basic Shelter, Empty: NSN 5411-01-357-3582
  - Type III - Basic Shelter w/Tunnel Only: NSN 5411-01-357-3583
- **Weight:** Type I - 608 lbs., Type III - 643 lbs.
- **Payload:** 3300 lbs.
- **Construction:** Honeycomb Core
- **Prime Mover:** M1097/M1113 HMMWVs
- **EMI Protection:** 60 dB
- **LIN:** S01563

### S-832/G, Shelter, Non-Expandable, Rigid Wall, Integrated

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S-832/G (Army) SICPS Rigid Wall Shelter

- **Description:** Standardized Integrated Command Post System Rigid Wall Shelter (SICPS RWS) is a transportable HMMWV mounted shelter integrated with on-board power, environmental control unit (ECU), EMI and CB protection, equipment racks, and power/signal wiring. NSN 5411-01-436-3326.
- **Dimensions:** Interior 8'-3.5"L × 6'-9.5"W × 5'-4.5"H, Exterior 8'-6"L × 7"W × 5'-7"H
- Consists of 10 kW Power Unit, 18K BTUH ECU
- **Construction:** Honeycomb Core
- **Prime Mover:** M1097/M1113 HMMWVs
- **EMI Protection:** 60 dB
- **LIN:** Z77196

### ISO Shelter, Tactical, Nonexpandable

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S-781/G, S-782/G (Army)  
Non-Expandable Tactical ISO Shelter

- **Description:** Non-Expandable 20 Ft ISO Shelter.
- **Dimensions:** Interior 19'-1"L × 7'-7"W × 7'-1"H, Exterior 19'-11"L × 8'W × 8'H
- **Non-Expandable ISO Versions:**
  - 1) S-781/G - 60 Amp Service: NSN 5411-01-136-9837
  - 2) S-782/G - 100 Amp Service: NSN 5411-01-294-6390
- **Weight:** 3900 lbs.
- **Payload:** 11,100 lbs.
- **Gross Weight:** 15,000 lbs.
- **Construction:** Honeycomb Core
- **LIN:** S00860
- Includes Lights, Power Entrance Panel, Circuit Breaker Panel, Duplex Receptacles, Leveling Jacks
- Single Personnel Door on One End

# Non-Expandable Rigid Wall Shelters

## MARINE CORPS

### ISO, 10 Foot

- **Description:** Non-Expandable 10 Ft. ISO Shelter
- **NSNs:** General Purpose - 5411-01-287-4341,  
EMI Shielded - 5411-01-206-6079
- **Dimensions:** Interior 9'L × 7'-6"W × 7'-2"H,  
Exterior 9'-11"L × 8'W × 8'H
- **Weight:** General Purpose - 2670 lbs.,  
EMI Shielded - 2705 lbs.
- **Payload:** 3500 lbs.
- **Gross Weight:** General Purpose - 6170 lbs.,  
EMI Shielded - 6205 lbs.
- **Construction:** Honeycomb Core
- **EMI Protection:** 60 dB
- Removable Side and End Walls for GP ISO Only



ISO, 10 Foot (Marine Corps)

### ISO, 20 Foot

- **Description:** Non-Expandable 20 Ft. ISO Shelter
- **NSNs:** General Purpose - 5411-01-209-3451,  
EMI Shielded - 5411-01-206-6078
- **Dimensions:** Interior 19'L × 7'-6"W × 7'-2"H,  
Exterior 19'-11"L × 8'W × 8'H
- **Weight:** General Purpose - 3750 lbs.,  
EMI Shielded - 4650 lbs.
- **Payload:** General Purpose - 11,250 lbs.,  
EMI Shielded - 10,350 lbs.
- **Gross Weight:** General Purpose - 15,000 lbs.,  
EMI Shielded - 15,000 lbs.
- **Construction:** Honeycomb Core
- **EMI Protection:** 60 dB
- Removable Side and End Walls for GP ISO Only



ISO, 20 Foot (Marine Corps)

# ***Non-Expandable Rigid Wall Shelters***

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## **NAVY**

### **Family of NAVAIR Mobile Facility (MF) ISO Shelters**

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**Basic Mobile Facility (BMF)  
A (Navy)**

- **Description:** Non-Expandable 20 Ft ISO Shelter
- **Dimensions:** Interior 19'-1/4"L × 7'-6"W × 7'-1/2"H, Exterior 19'-11"L × 8'W × 8'H
- **Weight:** 5235 lbs
- **Payload:** 14765 lbs.
- **Gross Weight:** 20,000 lbs.
- **Service Life:** 20 Years
- **Construction:** Foam & Beam
- **Exterior Color:** Glossy White Polyurethane
- Can Easily Be Integrated with Environmental Control Units and Mission Equipment

### ***Basic Mobile Facility Type A***

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- NSN 5411-01-355-4322
- Can Be Complexed from Both Ends.
- **Doors:** 4'W × 6'-4"H (Both Ends of MF)
- Wired for 60HZ, 100 Amp Power. Power Can Be Transferred to Another MF.
- Capable of Transferring 400 HZ Power.
- Heating/Cooling Provided by 36,000 BTUH ECU Integrally Mounted Through Side of MF.
- Emergency Lighting Capability.

### ***Basic Mobile Facility Type B***

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- NSN 5411-01-355-4323
- Similar to Basic MF Type A Except Wired for Both 60HZ and 400 HZ Power.

# ***Non-Expandable Rigid Wall Shelters***

**NAVY**

## ***Side Opening MF Type A***

- NSN 5411-01-355-4320
- Similar to Basic MF Type B with Following Exceptions:
  - Provisions for Installation of Two 36K BTUH or 60K BTUH ECUs on One Side.
  - Other Side Removable to Allow Complexing With Side Opening MF Type B, Side Opening MF Type C, or Side Opening MF Type B (Modified).
  - Can be Complexed at End Doors.



**Side Opening MF Unit A (Navy)**

## ***Side Opening MF Type B***

- NSN 5411-01-355-4321
- Similar to Side Opening MF Type A with Following Exceptions:
  - No End Doors
  - Can Only Be Complexed With Another Side Opening MF
  - Access Before Complexing Provided Through a Non-Standard Personnel Door (32"W × 66"H)
  - Designed to House Automatic Test Equipment
  - Provisions for 200 Amp Input Capability



**Side Opening MF Unit B (Navy)**

## ***Side Opening MF Type B (Modified)***

- NSN 5411-01-355-4319
- Similar to Side Opening MF Type B Except It Has 80-Inch Wide Double Doors at One End to Allow Induction of Large Items for Repair.



**Side Opening MF Unit B (Navy)  
with Modified 80" Door**

# ***Non-Expandable Rigid Wall Shelters***

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## **NAVY**

### ***Side Opening MF Type C***

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- NSN 5411-01-355-6566
- Both Sides Removable; Can Be Complexed with Side Opening MFs. Increase Workspace.
- No Installed Equipment or ECU Provisions.
- Access Before Complexing Provided by a Normal Sized End Door

### **Integration Unit (INU) MF**

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- NSN 5411-01-355-4318
- Used as a Junction for Up To Six Additional MFs; Two on One Side and Four on Other Side
- End Doors Complexible to Other INUs
- Receives 200 Amp, 60 HZ and 100 Amp, 400 HZ Power for Distribution to Attached MFs
- Heating/Cooling Provided By 10K BTUH Window Type Heat Pump Mounted to Side Wall



# Expandable Rigid Wall Shelters

## AIR FORCE

### Expandable, S-530 A/G

- **Description:** Expandable Shelter (Two Shelters Expands to Volume of Three Shelters - 3:2)
- NSN 5411-01-280-2909EJ
- **Dimensions:**  
Interior (Non-Expanded) 11'-5"L × 6'-7"W × 6'-9"H,  
Interior (Expanded) 11'-5"L × 20'-4"W × 6'-9"H, Exterior  
12'-2"L × 7'-3"W × 7'-6"H
- **Weight:** 2000 lbs.
- **Payload:** 4500 lbs.
- **Gross Weight:** 6500 lbs.
- **Construction:** Nomex Honeycomb Core
- Two Shelters are Joined for Expanded Mode
- **Erection:** Six Soldiers - 45 Minutes
- **EMI Protection:** 60 dB



S-530 A/G Non-Expanded  
(Air Force)

## ARMY - AIR FORCE

### Modular Extendable Rigid Wall Shelter (MERWS)

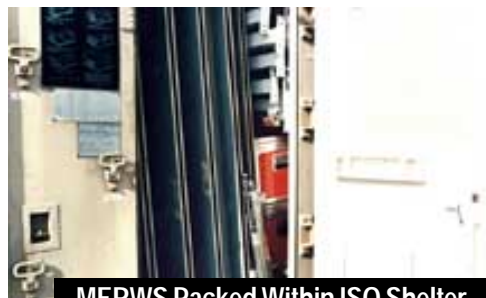
- **Description:** Expansion Kit for Army Standard Expandable ISO Shelter.
- NSN 5411-01-312-9084
- Entire MERWS Kit Packs Within ISO Shelter for Transport and Storage
- **Weight:** MERWS Kit Only - 7500 lbs.,  
Attached to 1-Side Exp ISO - 13,200 lbs.,  
Attached to 2-Side Exp ISO - 14,700 lbs.
- **Unobstructed Floor Space:**  
Attached to 1-Side Exp ISO - 1000 sq. ft.,  
Attached to 2-Side Exp ISO - 1150 sq. ft.
- **Dimensions:**  
Attached to 1-Side Exp ISO - 53'L × 20'W × 8'H,  
Attached to 2-Side Exp ISO - 60'L × 20'W × 8'H
- **Erection:** Four Soldiers - Four Hours Using Repetitive Sequence (Includes Unpacking from ISO Shelter)
- **Construction:** Honeycomb Core with Aluminum Skins
- Includes Lights, Breaker Panel, Personnel Door, ECU Interface, Leveling Jacks
- Removable Panels Allow Attachment of ECU Ducting and Complexing Passageways



Modular Extendable Rigid Wall  
Shelter (MERWS) Kit



MERWS Interior



MERWS Packed Within ISO Shelter

# Expandable Rigid Wall Shelters

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## ARMY

### Shelter, Tactical, Expandable, One Side

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S-783/G, S-784/G (Army)

- **Description:** One Side Expandable ISO Shelter
- **Dimensions:** Exterior 19'-11"L × 8'W × 8'H, Interior (Transport Mode) 19'-1"L × 7'W × 7'-1"H, Interior (Expanded) 18'-4"L × 14'-6"W × 7'-1"H
- **One Side Expandable ISO Versions:**
  - 1) S-783/G - 60 Amp Service: NSN 5411-01-124-1377
  - 2) S-784/G - 100 Amp Service: NSN 5411-01-295-3433
- **Weight:** 5400 lbs.
- **Payload:** 9600 lbs.
- **Gross Weight:** 15,000 lbs.
- **Construction:** Honeycomb Core
- **Erection:** Four Soldiers - 20 Minutes
- Removable Panels Allow Attachment of ECU Ducting and Complexing Passageways
- Includes Lights, Breaker Panel, Power Entrance Panel, Duplex Receptacles, Leveling Jacks
- **LIN:** S01291

### Shelter, Tactical, Expandable, Two Side

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S-785/G, S-786/G (Army)

- **Description:** Two Side Expandable ISO Shelter
- **Dimensions:** Exterior 19'-11"L × 8'W × 8'H, Interior (Transport) 19'-1"L × 6'-5"W × 7'-1"H, Interior (Expanded) 18'-4"L × 21'-6"W × 7'-1"H
- **Two Side Expandable ISO Versions:**
  - 1) S-785/G - 60 Amp Service: NSN 5411-01-136-9838
  - 2) S-786/G - 100 Amp Service: NSN 5411-01-294-9866
- **Weight:** 6900 lbs.
- **Payload:** 8100 lbs.
- **Gross Weight:** 15,000 lbs.
- **Construction:** Honeycomb Core
- Removable Panels Allow Attachment of ECU Ducting and Complexing Passageways
- **Erection:** Four Soldiers - 30 Minutes
- Includes Lights, Breaker Panel, Power Entrance Panel, Duplex Receptacles, Leveling Jacks
- **LIN:** S01359

- NSN 5411-01-206-6077
- **Stored/Stacked Dimensions:**  
19'-11"L × 8'W × 1'-9"H
- Four Knocked Down Shelters Can be Stacked and Shipped in Transport Mode (8' × 8' × 19'-11"L)
- **Erection:** 20 Soldiers - 20 Minutes
- Conforms to ISO Container Standards
- **Erected Dimensions:**  
Interior 19'-11"L × 7'-5"W × 7'-1"H, Floor to Beam 6'-2"H
- **Weight:** 3650 lbs.
- **Floor Load:** 45 lbs./sq. ft.



Knockdown ISO, Stacked (USMC)



Knockdown ISO, Partially Erected



## AIR FORCE

### Rapid Deployment Bare Base Shelter System (Dome Shelter)

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Bare Base System - Dome Shelter  
(Air Force)



Dome Shelter -  
Interior View Aircraft Hangar

- **Type of Shelter:** Frame Supported
- NSN 5410-01-363-0090
- **Purpose/Use:** Primary - Warehouses/Storage, Secondary - Aircraft Hangars, Maintenance
- **Environment:** Desert, Temperate, Tropical, and Arctic Conditions
- **Dimensions:** 120'L × 65'W × 10'H to 24'H (Eave to Peak) - Basic 4000 sq. ft.
- **Floor Area:** 4000 to 8000 sq. ft. (Length Can Be Extended Using 14 Ft Modules)
- **Weight:** Shelter Only (4000 sq. ft.) - 28,660 lbs., Shelter w/ Container - 33,070 lbs.
- **Cube:** 1500 cu. ft. (4000 sq. ft.)
- **Erection:** Eight People - 32 Hours (No Special Tools)
- **Dismantle/Repack:** Eight Soldiers - 26 Hours
- **Fabric:** PVC Coated Fabric Membrane
- **Color:** Desert Tan, Olive Drab, Camouflage
- Transported Within Three Bare Base Shipping/Storage Containers
- Includes Electrical and Lighting

### Small Shelter System

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Bare Base System -  
Small Shelter System (Air Force)

- **Type of Shelter:** Frame supported
- NSN TBD
- **Purpose/Use:** Billeting, general purpose
- **Environment:** Worldwide
- **Dimensions:** 20 × 32.5 ft.
- **Floor Area:** 650 sq. ft.
- **Weight:** 1250 lbs. basic shelter system (includes shelter, membrane floor, liner, electrical, container)
- **Cube:** 119 cu. ft. for container (includes basic shelter system plus Mobility Readiness Spare Package)
- **Erection:** Four men less than one hour
- **Dismantle/repack:** Four men less than 45 minutes
- **Fabric:** 13.5 oz. PVC coated polyester
- **Color:** Desert tan or camouflage green
- Transported in individual composite container, four to a 463L pallet
- Includes 3.5-ton Environmental Control Unit, 611 lbs., 42 cu. ft. (airlifted separately, 12 to a 463L pallet)

## ARMY

### Tent, General Purpose, Small

- NSN 8340-00-753-6571
- **Type of Shelter:** Pole Supported
- **Purpose/Use:** Command Post, Battalion Aid Station, Fire Direction Center, or General Purpose
- **Dimensions:** 8'-9"L × 17'-6"W × 5' to 10'-6"H (Eave to Peak)
- **Floor Area:** 200 sq. ft.
- **Weight:** 186 lbs.
- **Cube:** 8 cu. ft.
- **Erection:** Four Soldiers - 30 Minutes
- **Fabric:** 13.5 oz. (Max) Polyester Duck
- **Color:** Desert Tan 459, Camo Green 483
- **LIN:** V49126



General Purpose (GP)  
Small (Army)

### Tent, General Purpose, Medium

- NSN 8340-00-483-3963
- **Type of Shelter:** Pole Supported
- **Purpose/Use:** Personnel Housing, Command Post, Fire Direction Center, Mess Tents
- **Dimensions:** 32'L × 16'W × 5'-6" to 10'H (Eave to Peak)
- **Floor Area:** 512 sq. ft.
- **Weight:** 530 lbs.
- **Cube:** 33 cu. ft.
- **Erection:** Four Soldiers - 40 Minutes
- **Fabric:** 13.5 oz. (Max) Polyester Duck
- **Color:** Desert Tan 459, Camo Green 483
- **LIN:** V48989



General Purpose (GP)  
Medium (Army)

### Tent, General Purpose, Large

- NSN 8340-00-470-2342
- **Type of Shelter:** Pole Supported
- **Purpose/Use:** Hospital Ward, Billeting, Storage
- **Dimensions:** 52'L × 18'W × 5'-6" to 12'H (Eave to Peak)
- **Floor Area:** 936 sq. ft.
- **Weight:** 666 lbs.
- **Cube:** 69 cu. ft.
- **Erection:** Six Soldiers - 75 Minutes
- **Fabric:** 13.5 oz. (Max) Polyester Duck
- **Color:** Desert Tan 459, Camo Green 483
- **LIN:** V48578



General Purpose (GP)  
Large (Army)

## ARMY

### Modular General Purpose Tent System (MGPTS)

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Modular General Purpose Tent System (MGPTS) (Army)

- **Type of Shelter:** Currently Pole Supported
- **NSNs:**
  - 1) NSN 8340-01-456-3633 Small
  - 2) NSN 8340-01-456-3628 Medium
  - 3) NSN 8340-01-456-3674 Large
- **Purpose/Use:** Billeting and Field Services
- More Versatile and Habitable Replacement to GP Small, Medium, and Large Tents
- **Dimensions:** 18'L × 18'W × 7'H to 11'3"H (Eave to Peak)
- Length Can Be Extended in 18 ft. Increments by Adding Intermediate Modules
- **Floor Area:** 648 sq. ft. (MGPTS Equivalent to GP Medium)
- **Fabric:** 13.5 oz. (Max) Polyester Duck (Tensioned System)
- **Color:** Desert Tan 459, Camo Green 483
- P3I for Dual Support (Frame) System

### Lightweight Extreme Weather Shelter (LEWS), 3-Man

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3-Man Lightweight Extreme Weather Shelter (LEWS) (Army)

- **Type of Shelter:** Frame Supported
- NSN 8340-02-429-5932
- **Purpose/Use:** Back Packable Tent Satisfies Special Operations Forces (SOF) Requirement for Use in Extreme Weather Conditions
- **Environment:** Arctic, Desert, Mountain Regions
- **Dimensions:** 45"H
- **Floor Area:** 45 sq. ft. min (10 sq. ft. min Vestibule)
- **Weight:** 12 lbs.
- **Cube:** 1.1 cu. ft.
- **Erection:** Two Soldiers - Five Minutes
- **Color:** Desert Tan, Arctic White, Woodland Green
- Camouflage Capability



## ARMY

### Tent, Extendable, Modular, Personnel (TEMPER)

- **Type of Shelter:** Frame Supported
- **Purpose/Use:** Field Feeding, Medical Facilities, Billeting
- **Environment:** All Climates
- **Dimensions:** 8'L × 20'-6"W × 6'-9"H to 10'H (One Section) (Eave to Peak)
- Length Can Be Extended in 8 ft. Increments.
- **Floor Area:** 640 sq. ft. (Type IV, Personnel) (Four Sections)
- **Weight:** 1328 lbs. (Type IV)
- **Cube:** 123 cu. ft. (Type IV)
- **Erection:** Five Soldiers - 40 Minutes (Type IV)
- **Fabric:** 13.5 oz. (Max) Polyester Duck
- **Color:** Desert Tan 459 (NSN 8340-01-185-2628), Camo Green 483 (NSN 8340-01-196-6272)
- **32 NSNs:** 16 TEMPER Types (I thru XVI) in Either Color
- **Features:** Tent Fly to Reduce Solar Loading, Fluorescent Lights, Electrical Power Distribution, Air Distribution Plenums for Heating/Cooling, Entrance Vestibule, Insulated Floor Capability Available



32-Foot Long TEMPER Type IV (Army)

### Tent, Frame-Type, Expandable, 16 Ft × 16 Ft

- **Type of Shelter:** Frame Supported
- NSN 8340-00-782-3232
- **Purpose/Use:** Division Tactical Operations Center, Briefings
- **Dimensions:** 16'L × 16'W × 6'H to 8'-6"H (Eave to Peak)
- **Floor Area:** 256 sq. ft.
- **Weight:** 400 lbs.
- **Cube:** 60 cu. ft.
- **Erection:** Four Soldiers - 45 Minutes
- **Fabric:** 13.5 oz. (Max) Polyester Duck
- **Color:** Desert Tan 459, Camo Green 483



16 Ft × 16 Ft Frame Type Expandable Tent (Army)

### Modular Command Post System (MCPS)

- **Type of Shelter:** Frame Supported
- **Purpose/Use:** Command Posts in All Climates
- **Dimensions:** 11'L × 11'W × 7'H to 9'H (Eave to Peak)
- **Floor Area:** 121 sq. ft.
- **Weight:** 416 lbs. (Complete Tent System)
- **Cube:** 30 cu. ft.
- **Erection:** Two Soldiers - 20 Minutes
- **Fabric:** 13.5 oz. Polyester Duck
- **Color:** Desert Tan 459 (NSN 8340-01-334-7529), Camo Green 483 (NSN 8340-01-323-2454)
- Includes Two Field Tables, Four Mapboards, Two Fluorescent Lights, Removable Walls for Complexing to Other MCPS, Rain Gutters.



Modular Command Post System (Army)

# Soft Wall Shelters

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## ARMY

### Tent, Arctic, 10-Man

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10-Man Arctic Tent (Army)

- **Type of Shelter:** Pole Supported
- NSN 8340-00-262-3685
- **Purpose/Use:** Provide Shelter for Ten Soldiers and Their Equipment in Arctic Weather Conditions
- **Dimensions:** 8'-9"L × 3'H to 8'-6"H (Eave to Peak)
- **Floor Area:** 200 sq. ft.
- **Weight:** 76 lbs.
- **Cube:** 7.3 cu. ft.
- **Erection:** Six Soldiers - 27 Minutes
- **Fabric:** Cotton
- **Color:** Olive Drab
- **LIN:** V51729

### Tent, Hexagonal, Lightweight, M-1950 (5-Man Arctic)

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M-1950 Lightweight Hexagonal (5-Man Arctic) Tent (Army)

- **Type of Shelter:** Pole Supported
- NSN 8340-00-269-1372
- **Purpose/Use:** Provide Shelter for Five Men and Their Equipment in Extremely Cold, or Cold-Wet Conditions
- **Dimensions:** 6'-7"L × 2'H to 8'-6"H (Eave to Peak)
- **Floor Area:** 113.2 sq. ft.
- **Weight:** 56 lbs.
- **Cube:** 3.8 cu. ft.
- **Erection:** Five Soldiers - 15 Minutes
- **Fabric:** Cotton
- **Color:** Olive Drab
- **LIN:** V49674

### Tent, Frame-Type, Insulated, Sectional, 16 Ft × 16 Ft

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16 Ft × 16 Ft Frame Type Insulated Sectional Tent (Army)

- **Type of Shelter:** Frame Supported
- NSN 8340-00-262-2399
- **Purpose/Use:** General Purpose Use in Extreme Cold Climates
- **Dimensions:** 16'L × 16'W × 6'H to 8'H (Eave to Peak)
- **Floor Area:** 256 sq. ft.
- **Weight:** 2252 lbs.
- **Cube:** 250 cu. ft.
- **Erection:** Six Soldiers - 45 Minutes
- **Fabric:** Vinyl Coated Cotton Duck (1" Thick Fiberglass Batting)

## ARMY

### Soldier Crew Tent

- **Type of Shelter:** Frame Supported
- **Purpose/Use:** Quickly Erectable Tent for Combat Vehicle Crews
- **Dimensions:** 10'-10"L × 10'-10"W × 59"H
- **Floor Area:** 120 sq. ft.
- **Weight:** 75 lbs.
- **Cube:** 6 cu. ft.
- **Erection:** Two Soldiers - Five Minutes
- Reversible Overcovers
- Cold Weather Cotton Liner Available
- SCT Types - Type I (Green/Tan) NSN 8340-01-359-0084, Type II (Green/White) NSN 8340-01-359-1481



Soldier Crew Tent (SCT) (Army)

### Tent, Shelter Half

- **Type of Shelter:** Pole Supported
- NSN 8340-00-753-6435
- **Purpose/Use:** Provide One Soldier Shade, Shelter Joined Together with Another Shelter Half for Two Soldiers
- **Dimensions:** 7'L × 5'-4"W × 3'-7"H (Two Halves)
- **Floor Area:** 30 sq. ft. (Two Shelter Halves)
- **Weight:** 5 lbs.
- **Cube:** 0.4cu. ft.
- **Erection:** Two Soldiers - Five Minutes
- **Fabric:** 8.25 oz. Cotton Duck
- Six Halves Can Be Joined to Shelter Six Soldiers
- **LIN:** T00150



Shelter Half Tent (Army)

## MARINE CORPS

### Tent, Command Post, M-1945

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M-1945 Command Post Tent  
(Marine Corps)

- **Type of Shelter:** Pole Supported
- NSN 8340-00-269-1370
- **Purpose/Use:** Battalion Command Post, Battalion Aid Station
- **Dimensions:** 20'-7"L × 10'W × 6'H to 9'H (Eave to Peak)
- **Floor Area:** 172 sq. ft. (48 sq. ft. Vestibule Space)
- **Weight:** 235 lbs.
- **Cube:** 9.9 cu. ft.
- **Erection:** Five Soldiers - 20 Minutes
- **Fabric:** 13.5 oz. (Max) Polyester Duck
- **Color:** Desert Tan 459, Camo Green 483
- **LIN:** V49143

### Extreme Cold Weather Shelter (ECWS), 4-Man

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4-Man Extreme Cold Weather  
Shelter (ECWS) (Marine Corps)

- **Type of Shelter:** Frame Supported
- NSN 8340-01-406-9299
- **Purpose/Use:** Back Packable Tent Satisfies Marine Corps Requirement for Use in Arctic and Temperate Weather Conditions
- **Environment:** Arctic and Temperate Regions
- **Dimensions:** 60"H
- **Floor Area:** 60 sq. ft. min (60 sq ft min Vestibule)
- **Weight:** 18 lbs.
- **Cube:** 1.6 cu. ft.
- **Erection:** Two Soldiers - Five Minutes
- **Color:** Arctic White, Woodland Camo Green

### 2-Man Combat Tent

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2-Man Combat Tent  
(Marine Corps)

- **Type of Shelter:** Frame Supported
- NSN 8340-01-452-5191
- **Purpose/Use:** Back Packable Tent Satisfies Marine Corps Requirement for Use in Desert and Temperate Conditions
- **Dimensions:** 34"H
- **Floor Area:** 39 sq. ft. min (10 sq. ft. Vestibule)
- **Weight:** 7 lbs.
- **Cube:** 0.5 cu. ft.
- **Erection:** Two Soldiers - Five Minutes
- **Color:** Desert Tan, Camouflage Green
- Replacement to Shelter Half Tent



## ARMY

### Ammunition Solar Cover, General Purpose, Type I

- **Type of Shelter:** Pole Supported
- **Purpose/Use:** Provide General Purpose Solar Protection for Food Stocks, Supplies, Munitions, Vehicles and Equipment
- **Environment:** Hot Climates
- **Dimensions:** 35'L × 35'W × 7' to 10'H
- **Floor Area:** 1225 sq. ft.
- **Erection:** Two Soldiers - 30 Minutes
- Constructed of Lightweight, Open Weave Mesh Material
- Reduces Solar Effects by 50-60%
- HMMWV Drive Through Capability
- **Color:** Woodland Green, Desert Tan



General Purpose Ammunition Solar Cover, Type I (Army)

### Ammunition Solar Cover, Type II

- **Type of Shelter:** Pole Supported
- **Purpose/Use:** Provide Solar Protection for Munitions, Vehicles and Equipment
- **Environment:** Hot Climates
- **Dimensions:** 50'L × 50'W × 10' to 14'H
- **Floor Area:** 2500 sq. ft. (Per Module)
- **Erection:** Two Soldiers - One Hour (Per 2500 sq. ft. Module)
- **Fabric:** Lightweight, Open Weave Material
- Complexible
- Modular Design for Varying Ground Cover
- Reduces Solar Effects by 50-60%, Improves Reliability of Munitions
- Vehicle Drive Through Capability
- **Color:** Woodland Green, Desert Tan



Ammunition Solar Cover, Type II (Army) (Single Unit - 2,500 Sq. Ft.)



Ammunition Solar Cover, Type II (Four Units - 10,000 Sq. Ft.)



# Special Purpose Shelters

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## ARMY

### Two Soldier, Small Unit Solar Shade (SUSS) — Experimental

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2 Soldier, Small Unit Solar Shade (SUSS) (Army)



2 Soldier SUSS in Woodland Camouflage (Army)

- **Type of Shelter:** Supported by adjustable poles
- **Purpose/Use:** Reconnaissance Team /SOE, used for Hide Sites, protects exposed soldiers from high solar loading and reduces visual, thermal and infrared signatures
- **Environment:** Hot Desert/Woodland
- Breaks down into two bundles approximately 7 lbs. each
- **System:** Cover, poles, stakes, hammer and transport bags
- **Set Up:** Five minutes by one soldier
- **Size:** 7' W × 14' L × 20"H
- Composite open mesh solar shade fabric with Lightweight camouflage cover
- Tested and endorsed by 3rd Special Forces Group

### COLT Team Small Unit Solar Shade (SUSS) - Four Soldiers — Experimental

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COLT Team Small Unit Solar Shade (SUSS) - Four Soldier (Army)

- **Type of Shelter:** Supported by adjustable poles
- **Purpose/Use:** Reconnaissance and Combat Observation Lazing Teams (COLTs), used for forward observer and targeting sites, protects exposed soldiers from high solar loading and reduces visual, thermal and infrared signatures
- **Environment:** Hot Desert/Woodland
- Breaks down into three bundles approximately 12 lbs. each
- **System:** Two interlocking covers, poles, stakes, hammer and transport bags
- **Set Up:** Five minutes by three soldiers
- **Size:** 13'W × 12'L × 30"-50"H
- Composite open mesh solar shade fabric with Lightweight camouflage cover
- Tested and endorsed by COLT teams from the 1st ID and 1st AD (Fort Riley)

## ARMY

### Tent, Frame-Type, Maintenance Medium, Light Metal (Fritsche)

- **Type of Shelter:** Frame Supported
- NSN 8340-00-951-6419
- **Purpose/Use:** Medium Sized Maintenance Shelter for Repair of Tracked and Wheeled Vehicles
- **Dimensions:** 32'L × 20'W × 14'H
- **Floor Area:** 640 sq. ft.
- **Weight:** 3371 lbs.
- **Cube:** 289.6 cu. ft.
- **Erection:** Four Soldiers - Five Hours
- **Fabric:** 9.85 oz. Cotton Duck (Olive Drab)
- Cold Weather Insulated Liner Available (Cotton Sateen/Fiberglass Batting)
- **LIN:** V48441



Standard Maintenance Tent (Army)

### Lightweight Maintenance Enclosure (LME)

- **Type of Shelter:** Frame Supported
- NSN 5410-01-456-3637
- **Purpose/Use:** Lightweight, Mobile Repair Shelter for Tracked & Wheeled Vehicles Across the Battlefield Under All Climatic Conditions
- **Dimensions:** 32'L × 25'W × 13.75'H to 16.5'H (Eave to Peak)
- **Floor Area:** 800 sq. ft.
- **Weight:** 1332 lbs. (1659 lbs Packed)
- **Cube:** 109 cu. ft.
- **Erection:** Six Man-Hours
- Replacement to Standard Maintenance Tent
- Provides Blackout Capability



Lightweight Maintenance Enclosure (LME) (Army)



LME with Vehicle Doors Closed (Army)

# Maintenance Shelters

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## Large Area Maintenance Shelter

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Large Area Maintenance Shelter  
(Clamshell) (Army/Navy)



Large Area Maintenance Shelter  
(Canvas Specialties) (Army)

- **Type of Shelter:** Frame Supported
- **NSNs:**  
Clamshell Buildings Inc. - NSN 5410-01-334-3158  
Canvas Specialties Inc. - NSN 5410-01-333-9299
- **Purpose/Use:** Large Area Maintenance/Repair Shelter for Helicopters, Tanks, and Wheeled Vehicles
- **Dimensions:**  
Clamshell Buildings Inc. - 190'L × 75'W × 31'H  
(Length is Modular in 12.5-ft. Increments),  
Canvas Specialties Inc. - 122'L × 65'W × 31'H  
(Length is Modular in 15-ft. Increments)
- **Floor Area:** Clamshell - 12,500 sq. ft.,  
Canvas Specialties - 6700 sq. ft.
- **Shelter Weight:** Clamshell - 26,700 lbs.,  
Canvas Specialties - 19,000 lbs.
- **Shipping Weight:** Clamshell - 30,000 lbs.,  
Canvas Specialties - 25,400 lbs.
- **Cube:** Clamshell - 797 cu. ft.,  
Canvas Specialties - 750 cu. ft.
- **Erection:** Clamshell - 12 People, 36 Hours,  
Canvas Specialties - Eight People, 36 Hours
- Procured During Operation Desert Shield/Storm

## AIR FORCE

### General Purpose Shelter (Bare Base)

- **Type of Shelter:** Hybrid (Rigid and Soft)
- NSN 5410-00-365-5017
- **Dimensions:** Deployed - 46'L × 30'W × 12'H,  
Transport Mode - 9'-9.75"L × 8'W × 8'H
- **Floor Area:** 1400 sq. ft.
- **Weight:** 10,897 lbs.
- **Erection:** 120 Man-hours  
(No Special Equipment Required)
- **Construction:** Rigid Honeycomb Wall Panels Connected  
to I-Beams to Form Arches
- Includes Electrical and Lighting
- Transportable by Truck, Forklift, 463L Cargo Handling  
System, or Towed Trailer



General Purpose Shelter  
(Air Force)

## ARMY

### Chemically and Biologically Protected Shelter (CBPS)

- **Type of Shelter:** Hybrid - Rigid Wall and Pressurized  
Airbeam Supported
- NSN 5410-01-441-8054
- **Purpose/Use:** Provide Contamination Free,  
Environmentally Controlled Work Area for a Battalion Aid  
Station (BAS) and Division Clearing Station (DCS)
- **Dimensions (Tent):** 18'-10"L × 18'-8"W × 10'H
- **Floor Area (Air Supported Tent):** 300 sq. ft.
- **Erection:** Four Soldiers - 20 Minutes
- Includes Insulating Liner
- 44,000 BTU/hr Cooling, 60,000 BTU/hr Heating
- **Consists:** LMS Mounted on Heavy HMMWV, Airbeam  
Supported Soft Shelter, and High Mobility Trailer with  
10kW Tactical Quiet Generator.
- Transports Four-Person Medical Crew with Gear and All  
Medical Equipment
- Direct Replacement for M51 Chemically Protected Shelter



Chemically and Biologically  
Protected Shelter (CBPS) (Army)



CBPS Rear View



CBPS Inside View of  
Air-Supported Shelter